

Figure 1A

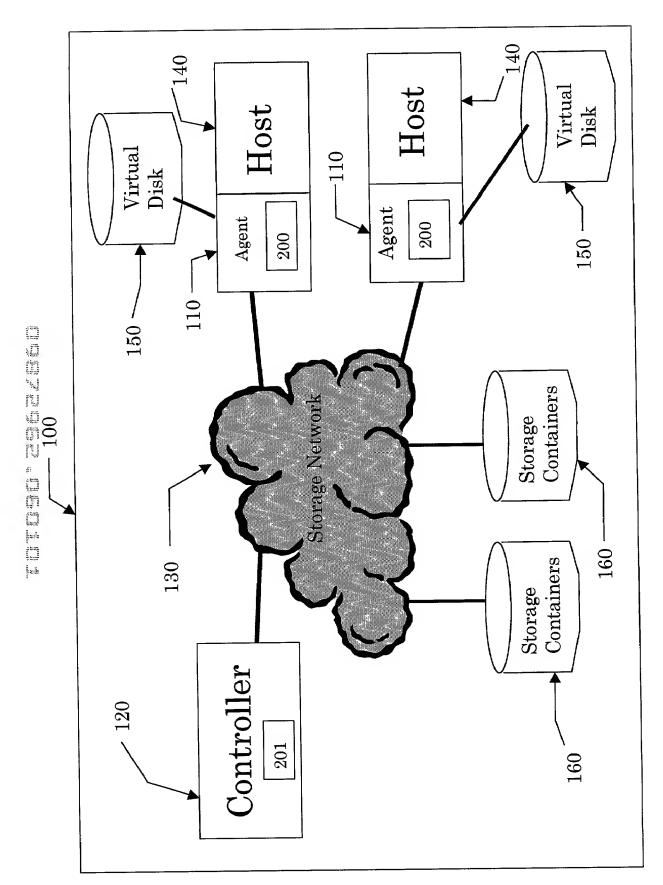


Figure 1B

 $\begin{array}{c} 210 \rightarrow \\ 210 \rightarrow \\ 210 \rightarrow \end{array}$

Virtual	Storag	e Location	Alternate Storage		Invalid	Nw	Z	Error	Alternate	Bitmap
Disk	_	230	Location						Exists?	
Block(2)			235		240	250	260	270		225
220	LUN	Block(s)	LUN	Block(2)					255	
	232	234	236	238						
1-10	1	1-10	2	11-20	no	no	no	no	yes	3,8,9
11-20	2	1-10	2	21-30	no	yes	no	no	no	
21-20	1	11-20	1	21-30	no	no	no	no	no	

↑ 201

Figure 2A

	Virtual Disk	Storage Location		Invalid	Nw	Z	Error	Alternate Exists?	Alternate Table
	Block(2)	230		240	250	260	270		015
	220	LUN	Block(s)					255	215
		232	234						
210→	1-10	1	1-10	no	no	no	no	yes	1
210→	11-20	2	1-10	no	yes	no	no	no	
210→	21-20	1	11-20	no	no	no	no	no	
↑ 203									

Alternate Table #1 (215)							
Virtual	Alterna	Bitmap					
\mathbf{Disk}	Lo						
Block(2)		225					
220	LUN	Block(2)					
	236	238					
1-10	2	11-20	3,8,9				
11-20	2	21-30					
21-20	11	21-30					

↑ 206

201____

Figure 2B



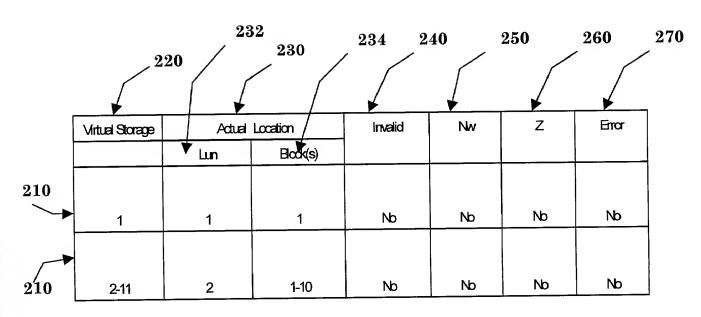
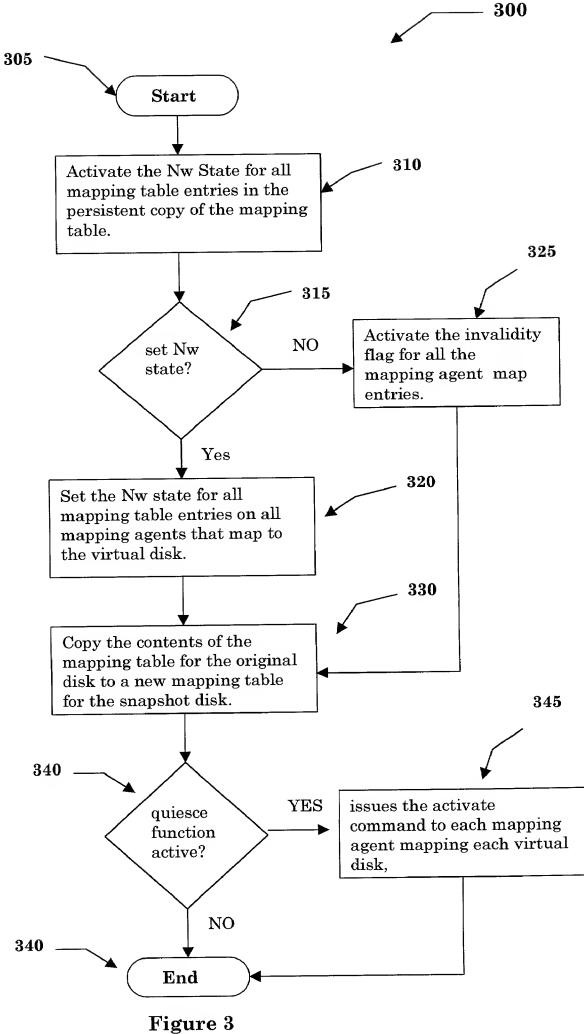


Figure 2C



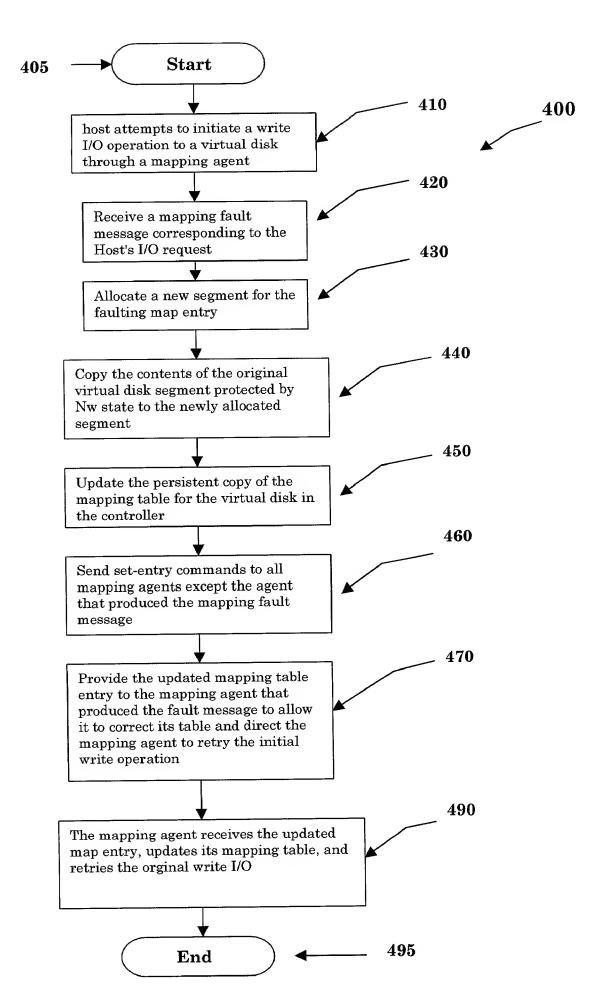
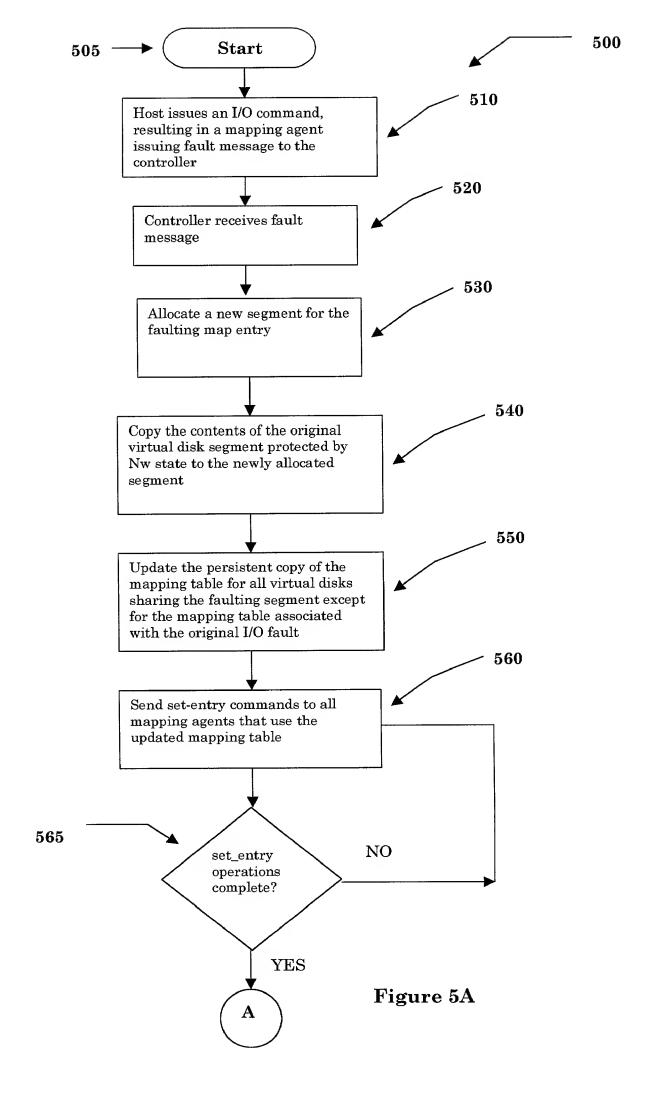


Figure 4



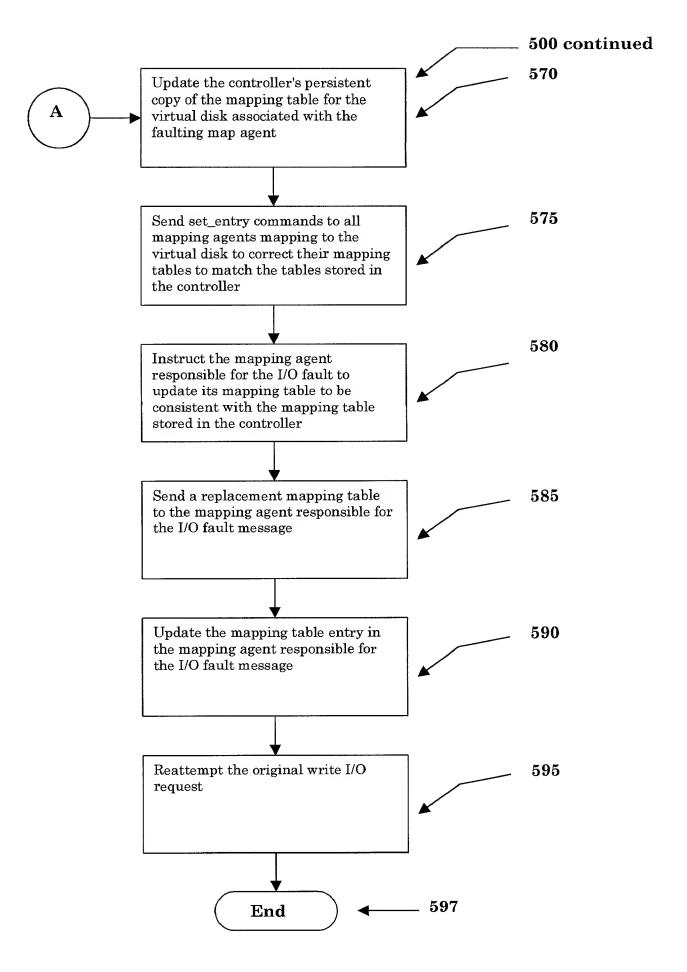


Figure 5B

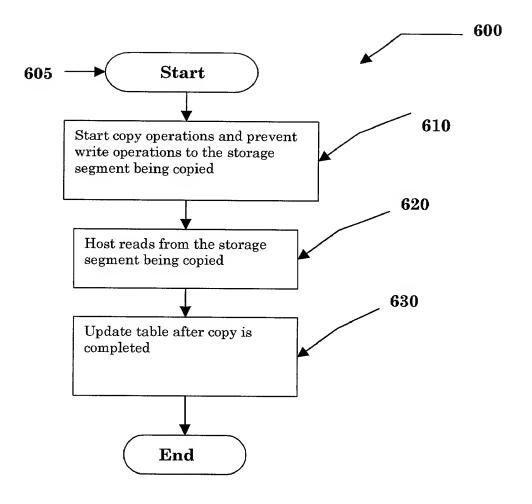


Figure 6A

